

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: lve1@inel.gov (Larry V East)
Subject: [80] "New" QRP+ Rev 4C EPROM
Message-ID: <2.2.16.19960917224951.27ff8bd0@eloi>

I have made some observations concerning the Rev 4C upgrade EPROM for the Index Labs QRP+ (original, NOT new improved model). If you are interested, send me private email for the info.

I have an email list of folks who have expressed interest in receiving info regarding QRP+ mods, measurements, etc. If you would like to be added to this list, let me know via private email.

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [64] 30m, QRP level antennas (LONG)
Message-ID: <323EE6CB.26EC@ix.netcom.com>

Gang,

Hey! What gives with 30m lately? Man, has it been bad! I was listening last night at about sundown, and there were just a few signals. Then nothing! I know there is some high geomagnetic activity going on, but I just put up a new antenna for 30m, since the old one blew down in a recent storm. Maybe it's my antenna! :-)

I used some 18gauge stranded hookup wire from Radio Shack. I had an old W2AU 1:1 balun that has been removed from its PVC housing because the screw terminals had come loose. I used a bakelite fuse holder for the center insulator, and soldered the balanced output leads from the balun to an empty glass fuse. This allows me to snap the antenna feedline onto the center insulator, or remove it easily if I want to go QTTF. It is also great if someone runs into the feedline, since it will break away and save the dipole. Quick, simple and light weight. I weatherproofed the balun with shrink tubing and PVC glued the exposed ends.

The feedline is 34.5' of RG58A/U foam I trimmed to a half wavelength on 30m with my MFJ259 antenna analyzer. I just soldered the bare ends of the feedline to the unbalanced input of the old W2AU balun. Weatherproofed the connection with Coax-Seal. I was looking to keep the weight down, so not as much tension is needed to hold the dipole level. This coax is pretty light weight too. One end is supported by the peak of my roof, and the other end is tied to a palm tree in my back yard. The dipole

slopes a little over my swimming pool from about 20 feet at the gable, to about 13 feet at the palm. It resonates with a 1:1 SWR at 10.120 MHz. The end insulators are small round sticks of polyethylene 2" long with a hole at each end. Plastic coathangers would work as well.

Sure, it has a high angle of radiation, but it gets out OK with my 5 watts on the ARK30. Wish I had the room for a half-square antenna so I could work some DX. 1/4 wave verticals don't thrill me, 'cause there isn't room for sufficient radials. A 1/2 wave vertical would be better, but it's too tall to get away with here. Wish I had room for a 30m half-square, but I'm gonna get one anyway for QTF trips and maybe I can sneak it up somehow. There aren't many trees of any height here.

Two questions:

1. Has anybody seen a very light antenna balun for QRP levels? It would be nice if it were small yet strong enough for a 40m or 80m antenna. I may have to build one if there aren't any. No, I don't want to use coiled coax at the feed point, since I'm trying to keep the whole thing as light as possible. A ferrite choke balun gets kinda heavy. I was thinking of winding a small balun onto a little toroid, and then fitting it on a plastic rod for the center insulator. What would be a good core for QRP power levels and HF bands 3.5-30MHz?
2. Does any company make a 30m only vertical, shortened or full size?

This band is only 50KHz wide, so a one band 1/2 wave vertical that isn't full size should easily cover the entire band with a low VSWR. I'm gonna pursue this question and check all the books on antennas I have. This might be a good project for the group, as we all LOVE 30m, and the sunspots are to starting to return. I'm gonna look at using aluminum tubing, with a matching section to bring the feedpoint to 50 ohms. QRP level components shouldn't be too hard to locate.

Those of you with limited back yard real estate can appreciate this. Seems like there is a whole new market here for QRP level antennas.

Now, what was that about the SLV? (St.Louis Vertical) ;-)

vy 73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Joe Gervais <vole@primenet.com>

Subject: [77] 40m Hamstick Extender for CW Subband
Message-ID: <199609172221.PAA09701@primenet.com>

Howdy Folks,

I recall some of us having problems tuning the 40m Hamsticks for the low end of the band, where us CW types hang out. Problem being that the whip that comes with the 40m version isn't long enough. Solution found.

I just ordered the TW-2 59" tapered whip for the Hamstick, which is a nice bit longer than the 47" whip normally shipped with the critters. Figure that'll get me resonating quite nicely between 7025-7150 KHz.

Price: \$5.95 ea. Source: Lakeview Company Inc.
Phone: (864) 226-6990

My only relationship is as a satisfied customer, but thought some folks might like to know. 'Tis fox huntin' season after all. Time to get those 40m antennas cleaned up and ready for prowling!

Cheers de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPion #7

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: wager@juno.com (James W. Cates)
Subject: [53] 49'er Kits Status
Message-ID: <19960917.092541.4038.12.wager@juno.com>

The backlog was eliminated by shipping 39 kits yesterday (Monday). Anyone waiting who does not receive his/hers in the next few days, E-mail me. Most likely another goof.

Jim Hale: Accidently deleted your message. Please send me your name and address, and if you have received the board. tn timer jim

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Paul Stroud <aa4xx@ipass.net>
Subject: [88] 80M Sounding Good!
Message-ID: <323F57F8.4163@ipass.net>

> Hi Gang,
>
> Thanks to all for a really fun and interesting Roundtable this
> past Sunday. 80 meters was in great shape. Our first QNI--AA6UL/4
> set the tone with his 89'er pumping out 500 mW. VE3SP reported that
> AA6UL's peanut whistle was copiable at RST 329 up in Hamilton,
> Ontario. K3QIO in Delaware gave AA6UL a RST 549! Congratulations
> to AA6UL and all the stations who copied his "curiously strong" 80M
> altoids xcvr. While we're on the subject of milliwatts, K3TKS took
> the opportunity to blast the net with a whopping 20mW toward the end of
> the net, with RST 229 :-). Looks like 80M is continuing
> to improve steadily as Fall is approaching.
>
> Welcome to Dean--N2TNN from Somerset, NJ and Ron--N8VAR from
> Dayton, Ohio who joined us for the first time. The KnightLites Net
> meets each Sunday night at 10PM EDT (0200Z) on 3710 KHz. Newcomers
> are welcome.
>
> Here's a list of stations who checked into the Roundtable on Sunday,
> September 15th:
>
> AA6UL/4 Ralph Charlottesville, VA 339 500mW 89'er, Dipole
> WJ4P Randy Summerville, SC 449 3W End Fed LW
> KF2PH Nick Patchogue, NY 349 2W Vertical
> AA1BK Steve Raleigh, NC 349 5W Attic Dipole
> K3QIO Jim Wilmington, DE 599 5W
> KE4KDT Roy Prestonsburg, KY 579 5W KNWD 850,160M Dip
> N2TNN Dean Somerset, NJ 459 2W Dipole at 35'
> VE3SP Ron Hamilton, ON 449 5W Vertical
> WJ9B Will Greensboro, NC 599+10 5W Argosy, Delta Loop
> N1RXT Chuck Chelmsford, MA 459 4W G5RV at 30'
> N8VAR Ron Dayton, OH 449 5W
> AE4IC Bob Greensboro, NC 599+10 5W Horiz Loop
> KC1FB Jim Norwalk, CT 349 5W Argo 509, Dipole
> K3AS Bill Wilmington, DE 339
> K3TKS Danny Silver Spring, MD 339 @ 750 mW Horiz Loop
> 229 @ 20 mW!!
> WA4NID Dave Durham, NC 599 5W Dipole
> AA4XX Paul Raleigh, NC (NCS) 5W OCF Dipole up 60'
>
> We hope to hear you soon on the KL Roundtable.
> 72,
> Paul AA4XX

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996

From: Joel Malman <malman@BBN.COM>
Subject: [82] advice needed
Message-ID: <199609172343.TAA45330@nss2.CC.Lehigh.EDU>

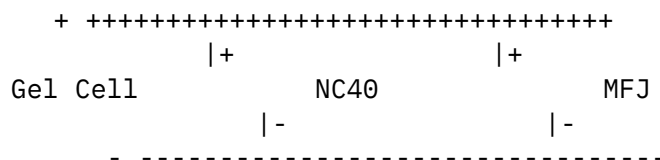
QRP Collective,

The good news: Today was the first time I powered up my NC40a and MFJ keyer off of the same gel cell.

The bad news: The NC40a went wild whenever I keyed the keyer. It sounded like the the NC40 was swinging back and forth from band edge to band edge. Sort of like would happen when a microprocessor needs to be reset. Indeed, power off/on reset the NC40 back to its normal state.

I assume this means there is strange ground loop condition (or RF is getting through the ground, back into the NC40?).

The simple circuit looks like:



I quickly opened the desk drawer and found 2 510 silver mica caps in series. (As I remember 510 = 51 pf, correct?). I put the caps across the +/- poles of the gel cell and the problem went away.

So here are the question(s):

- a. Did I do the right thing?
- b. Is there a better value cap I should have used?
- c. If I did the wrong thing, and there is a better solution, what is it?

/joel

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [26] Another attenuator for sale
Message-ID: <Pine.BSI.3.93.960917002918.25860E-100000@u1.abs.net>

As promised, here's another step attenuator for sale:

This one is a Kay Electric model 20-0, 0 to 41 dB by 1 dB steps, using 6 toggle switches. It's 50 ohms, BNC connectors, power rating 1/2 watt. It's rectangular with the switches on top, 5.8" long plus length of the BNCs, 2.03" front to back and 1.3" high plus height of the switch handles. Kind of old (from the 60's?), solid and heavy; \$20 plus postage.

The six switches are for 20, 10, 5, 3, 2, and 1 dB; you turn on the ones you need to add up to whatever value you want, which is from 0 to 41 dB in 1 dB steps. Not quite as convenient as a rotary attenuator since you have to pay attention if you switch through the steps a lot, and make sure you do the addition right.

Here are some of the warts up front--I cleaned it up as well as I could, but learned a hard lesson about using lots of acetone to remove the old adhesive from the labels people stuck on it over the years. I ended up peeling the paint in one spot, so in the future I'll have to use some other solvent or leave the old adhesive in place. The BNCs aren't original equipment, either; those were both smashed up so I had to replace them. Unfortunately Kays spacing on the mounting screws is a bit different than normal 4-hole chassis mount BNCs, so I had to mill out the outer edges of the holes on the new BNCs so they'd line up. It looks a bit funny but works. [Note to whoever buys it--I used the original screws to mount the BNCs; they didn't hang over the edge on the original connectors, which had a slightly larger base.]

I checked it on a Hewlett Packard 8753C network analyzer and made a list of the six sections at 4 frequencies (the maximum number of markers the analyzer has)--30, 150 and 440 MHz, and 1 GHz. In addition to each section by itself, I also measured 17 combinations of sections switched on. Everything holds up pretty well through 150 MHz; at 440 MHz things start slipping a bit, but as I said in a previous posting, there's nothing wrong with having an attenuator which is a bit off at some frequency as long as you know the exact value. That goes double for 1 GHz on this one, which strays by a few dB in places, and it's sometimes a bit of a roller coaster ride on the scope between 440 and 1 GHz. (Unfortunately, as with virtually every attenuator I've ever tested, used and new, you don't get a perfectly straight line; there are some dips and peaks along the way between Point A and Point B, though at 150 MHz and below it's quite minimal on this one. Welcome to the Real World.)

This model is quite easy to repair if you ever blow up one of the resistors; just remove the bottom cover and they're all right there, out in the open. (They also have a small capacitor or two, to even

out the frequency response.) If one of the switches ever goes bad, you might be able to repair those, too. In this type of attenuator, they use switches with teflon bodies, riveted together. I had an intermittent switch on my own Kay attenuator once, so I drilled out the rivets, burnished all the gold parts inside, and reassembled it with 2-56 hardware. Not great fun, but it does work--and when I asked Kay about replacement switches about 5 years ago, they said it was \$47 each (although that also included the resistors if you specified the attenuation of the section). BTW, I connected the one for sale between a 10.110 MHz crystal test oscillator and my TS-430S and ran it through the steps to be sure none of the switches were intermittent or scratchy, and they all seemed to make good, solid contact (though one did momentarily open the circuit when switched in).

Warranty--The unit works and I include a listing of measured attenuations as mentioned above--each section individually as well as 17 different combinations, all measured at 4 freqs each, covering HF, 2M and 440 MHz (plus 1 GHz). If not happy with it, let me know and we'll work things out or I'll take it back for a refund. (The same applies to anyone else who has ever bought an attenuator from me.) However, if you blow up the resistors, that's your problem :-). I've had it open so I know what they look like, and none of them show any signs of being charcoal. (The power rating of 1/2 watt is marked on the top of the unit.)

73 and Queue Our Pea DE WA8MCQ

wa8mcq@abs.net

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996

From: Ron Giuntini <rong@slip.net>

Subject: [92] Butternut Verticals

Message-ID: <E0v3Dia-000209-00@mouse.slip.net>

Anybody using HF6V Butternut vertical QRP? I have one but have never used it. (Got it for 50 dollars). I need the 75 ohm matching section. Also need to know the proper length for the 20 meter wire on the side of the thing. I could lay out some radials and try it I guess. Probably will eventually. Just want to know who is happy with it on QRP. Thanks for your input.

Ron KB6GK

NorCal #1718

San Francisco

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [69] Callsign=Name
Message-ID: <Pine.BSI.3.93.960917154702.24738B-100000@u1.abs.net>

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: dave dabay <kd3pc@nrv.net>
Subject: [42] Chuck's ideas on moderation
Message-ID: <199609171406.KAA08179@kirk.nrv.net>

Chuck and Gang

As usuall, Chuck is able to bring a great deal of common sense to a given problem and I agree with his analysis and solution 100%. If it's not broke don't fix it!

QRP content....I have ordered and am waiting (im)patiently for the tentec twenty meter kit. Once racing is over in late October, lookout qrp'ers I'm here.

BTW, I have finished the first phase of the tentec twometer rig and it is SUPER, hope the QRP kit is as nice. I have also ordered Dave Benson's newest kit to go with the old rig that he put out a year or so ago. I will be busy this fall/winter with QRP.

Kenwood TS-440s for sale if anyone is interested....

dave
Dave Dabay KD3PC QRP-L #365 Technology Specialist, Radford City Schools
Race at the New Elk Creek Dragway 540-731-5011

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [62] Debco offer: parts, kits, data
Message-ID: <n1369156337.57438@msmailgw1.arlut.utexas.edu>

Saw this in Amateur Radio Trader second Aug. edition.

'call for your free copy today, "The Electronics Experimenter Journal",

it's part catalog, part magazine, and part data book, with kits, parts, plans, articles, and application notes.

Debco Electronics,
4025 Edwards Rd.
Cincinnati, OH, 45209

Tel. 1-800-423-4499'

Don't know if this had been posted while I was away on vacation from list, but seems worth having their catalog at this price! Someone posted a couple years ago that they were a good parts place, but other than that I have no connection, endorsement, etc., just called my own order in today.

72, Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: David.Reid@asml.nl (David Reid)
Subject: [30] Details of LY96BDX now on WWW pages
Message-ID: <199609170809.KAA04702@wspub002.asml.nl>

Hi guys,

If you want to find out all about the BDX (Baltic DX Group) expedition to LY in July of this year. it is now - online - complete with piccies and all.

there is also details on my companies keyer kits and morse tutors...

YES I HAVE A COMMERCIAL INTEREST IN TELLING YOU ABOUT MY HOMEPAGE.
but you don't have to look at the advertising if you don't want to...
Just check out the BDX pages...

gud luck es enjoy.

73 de Dave
PA/G0BZF

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: PDouglas12@aol.com
Subject: [57] Dinner with Chuck et al in NYC
Message-ID: <960917130549_310651387@emout16.mail.aol.com>

Gang,

This is an open invitation to join me, Chuck Adams, Father Bruce Bowes and Andrew Comas for dinner in Manhattan on Wednesday, October 9, 1996 at a restaurant to be named later, depending on the number who show. I have suggested a Spanish restaurant for Paella--will run under 20 bucks a head, I expect--and we expect to talk radio. So let me know if you would like to join us. This will be quite informal, and does not constitute a club meeting of any sort!

72,

Preston Douglas WJ2V

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [46] foxhunt????
Message-ID: <Pine.SUN.3.91.960917084038.14765A-100000@kitsune.swcp.com>

Hello Fellow Qrper's, can someone tell me about the upcoming foxhunt and what it is about? Thanks Tom WB5QYT QRP-L #640

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [75] Free Antenna Wire
Message-ID: <Pine.BSI.3.93.960917161445.24738G-100000@u1.abs.net>

Someone recently mentioned that you could find free antenna wire in the YOKE Coil of an Old T.V. set. I have done that before. You might also look for Large Transformers and better yet save those old motors. That fan or Vacuum that died last month. Rip it open and you will find a goldmine of wire. More important, the motor windings are usually easier to unwind. Transformers can be tricky and time consuming. WARNING, IF YOU OPEN A TRANSFORMER and any Juice Spills out, wrap it all in newspapers and put it in a plastic bag and take it to the recycle center. It might be o.k. and then again it might be PCB material. Don't take a chance with your health. I have also taken apart some large (8-10" dia.) toroidal power transformers. I wanted to see how it was built, so I recorded the number of turns of wire and then measured the actual length of each winding. I also saved the Mylar insulating material. It took me about a week to do it. One interesting thing that I learned in the process, was that the wire was not standard American Wire Gauge. I measured each with a micrometer and compared to known standards

as well as looked them up in the textbook. My best guess is that they were made in europe with metric wire guages. So, now you know where to find a variety of good enameled wire. Never know when you might want to make your own transformers. :^)

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net
Maryland Milliwatt Club QRP Reference Library, (301)572-6789

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "evans ken" <evans.ken@wgs-2.bwi.bls.com>
Subject: [48] FS items
Message-ID: <n1369164519.30514@wgs-2.bwi.bls.com>

The FT-50R has been sold. The QRP+ is still available.

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: ad4sm@juno.com
Subject: [29] FS...2 QRP Rigs
Message-ID: <19960916.222509.2095.1.ad4sm@juno.com>

I have 2 qrp xcvs I would like to sell:

1) Ten-Tec Argonaut 505. Good shape, works good. Includes a hand mic and manual and I will throw in a 1200mha Lead-acid cell and charger.
\$110.00 certified check or M/O and I will ship.

2) MFJ 9020 20m QRP rig. Has built in curtis keyer and factory carry handle. I will also toss in a 1200mha Lead-acid cell and charger.
\$120.00 certified check or M/O and I will ship.

Take the whole shootin' match for \$210.00 Certified check or M/O and I ship.

E-mail me before I come to my senses at:

ad4sm@juno.com

Rick Tinsley
Radcliff, KY

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [45] FS: MFJ-9020 w/filter & keyer, TS-120S, all in great shape
Message-ID: <Pine.3.89.9609170827.A12090-0100000@w3eax.umd.edu>

MFJ-9020 20m QRP with optional filter & keyer, \$160/offer (\$240 new)

Kenwood TS-120S (80/40/20/15/10m + WWV, digital readout, noise blanker, calibrator, IF shift, RIT, var. RF gain, built-in speaker, manual, and Radio Shack hand mic, power variable down to milliwatts, up to about 100w - like having an amp!).

Excellent condition, front panel is nearly spotless. Used extensively this past weekend for driving Ten-Tec 1208 6m xverter. \$335.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: john andrews <jm165723@eee.org>
Subject: [58] Inductance as applied to tuners...
Message-ID: <323EDE0E.B88@eee.org>

Hi gang:

Will Rogers once said "All I know is what I read in the papers." The same applies to me. What I DON'T know about inductance in tuners would fill volumes.

Another member of the group and I have been looking at air core vs toroid based tuners for some few days. (Don't want to mention his name as he may wish to publish this on his own).

At first blush the toroid based tuner is a dismal failure. That's pretty subjective and broad enough to throw a '56 Buick through. The numbers he came up with are startling to say the least.

The reason the toroid has gained popularity is based(as I see it)- On small size and its capacity toward self shielding. It's easy to use and formulas for usage are readily available. It appears to be less influenced by external components(being mounted next to the

chassis) for example.

Even as a youngster I remember working over some WWII vintage ceramic form coils designed for 25-100 watts with "slugs" in the center. Did "they" know something we don't?

The experiments go on. Mine will be based on air-wound coils and some type of bar or slug in the center to raise the overall inductance without inducing unacceptable losses.

Just another 50 year old kid with a screwdriver and pliers.

72, John-N5INZ

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Stew Whitehouse <76443.501@compuserve.com>
Subject: [50] KI6BP Transceiver
Message-ID: <960917154157_76443.501_GHN84-2@CompuServe.COM>

Hi folks,
I'm sort of surfing for my next project and was looking through some past issues of ham magazines. The June 1996 issue of CQ describes an interesting 30 meter transceiver by M.A. Chapman, KI6BP. I welcome any comments or suggestions from the group concerning this project. Has anyone of you actually built it or studied it with thoughts of building?
The same issue has a neat weekend project --- Doug DeMaw's QRN Squasher.

Thanks for the space,
72 Stew KE4YH
Dunedin, Florida

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: john andrews <jm165723@eee.org>
Subject: [27] Moderation
Message-ID: <323E2922.5E99@eee.org>

No.

N5INZ

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [38] Moderation
Message-ID: <199609171333.NAA10085@chuck.dallas.sgi.com>

Gang,

The topic, IMHO, is a mute one.

Yes, there are those that make mistakes and get off the topic. Been there done that. It's human nature.

There are people who show up at a meeting and attempt to take control of something that has been rolling along for some time.

When I started the group over three years ago I really thought that we'd only have about 50 people interested in an internet group devoted to QRP. It's now over 1100 individuals. There must be something that we did right.

I've seen people get into heated and sometimes lengthy discussions over major and minor items. Rarely have I said anything to the individuals involved. Personalities and individual beliefs come into play in any organization. After a period of time everyone on this group knows a lot about the personalities involved. The group has done a pretty good job of keeping the signal to noise ration relatively high for the Internet. The way to maintain this is to let the perturbations die of natural death, not go off and spend days if not weeks on the same subject. You feed the problem by continuing to bring it up. We have all seen a posting of several hundred bytes generate several orders of magnitude of followups. It will happen again. Don't worry about it. It'll just cause you stress.

Yes, we have growing pains but there is no use in wasting bandwidth guys and girls. This group will remain as is. Just remember what Joan Baez wrote: "Be not too hard for life is short and nothing is given to man". You wanna be an English teacher then do it one on one. I have written a large number of published articles in professional journals and a few books, but I make mistakes. We all do. Let it ride.

Neither Jim or I want a moderated list. I already have over 800 emails a week going on with all kinds of stuff

and Jim also has a lot going on. We don't want to add to the overhead or see the group start to die, which is exactly what is going to happen if it becomes moderated. So, QRP-L will remain an unmoderated mail reflector. Serious infraction of civil behaviour will result in termination of the capability of posting to the group. Zero tolerance in effect.

If you want a moderated list, then start one with another name and on another email server. No problem, just do it.

In the three years that this group has been going we have just about discussed everything there is to do with QRP. We've talked about code speed, we've talked about antennas, batteries, kits, Altoids, kit designs, who's got the best receiver, the one letter beacons on 40M, high powered commercial stations on 30M, etc. You could probably find that 80% of the postings have to do with only 20% of the topics brought up. Topics recycle almost like clockwork, but sometimes new views come up worth considering and thinking about. So life goes on. And we have the topics come up that aren't exactly QRP related and we have the postings that were meant for individuals but get posted to the entire world for permanent storage. But we have forgotten them and we have gone on.

Any member of the group, when they believe that the cost and the time for QRP-l far outweighs the useful information, can at anytime unsubscribe. It is not unlike subscriptions to newsletters and magazines.

I personally support the group with postings on new kits and rigs and paddles and keyers and I have spent over \$700 in prizes and postage for the foxhunts. I have the largest collection of personally built kits for QRP. Why? Because I think it's fun. Otherwise I'd go back to stamp collecting or model airplanes. A large group of us like to write for the newsletters. That's the only way they can survive. No one person can keep it all going. I have not become a controller nor do I want to start moderation of the group in any form.

I do the best I can to contribute positive material. All I and everyone else asks for on this group is that everyone try to do the same thing. We don't have a board of directors, we don't have a president, we don't have a treasurer, but we do have some purpose.

So, in summary, let's get away from the policing policies

discussion. Just relax, take your valium and hit the delete key where necessary. Do your own moderation. It's one of advantages of electronic mail. If you think it's junk, don't read it. How often do you go to the mail box and not open a flyer from some get rich scheme or advertisement? Same thing applies here. Better yet, just turn off the computer and walk over to the rig? When was the last time you were on the air. Look for K5F0/3 Wednesday night on 40M. Consider it a warmup exercise for this winter.

People can take all the data they want, but moderation will not begin at anytime for QRP-L.

So in a few weeks the foxhunt will begin. Postings will start up. Anti-foxhunt posting will appear. But no separate group for the foxhunt will start up. It is a integral part of this group. In fact, Dayton discussions will not be separated this year. Too many QRPers have joined the madness of going to Dayton to see the rest of the group. Enough do it now to keep Dayton discussions within the group.

OK, enough politics.

Foxes: this is the last week to apply.

Survey of CW: this is the last week to send in email.

So after many weeks on the road and as I rarely do.
Maybe I can get a chance to work one of the foxes this winter.

dit dit de K5F0/3 in MD

QRP-L #1 <- rare :-)

Chuck Adams (K5F0 CP-60) 49/49/50 adams@sgi.com

EMPS Qs=0 STATES=0 DX=0

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996

From: George Gingell <k3tks@u1.abs.net>

Subject: [73] moderation no

Message-ID: <Pine.BSI.3.93.960917160800.24738F-100000@u1.abs.net>

Subject: Moderation NO

I wasn't going to bother voting on this matter, since I felt that it was a waste of time and bandwidth, and would probably die a natural

death like so many other NON-QRP items present on this list lately.

Then I thought, on the other hand, maybe a NO vote will hasten it's demise. IMHO, this Moderation/No Moderation topic has in itself been a classic example of doing exactly that which it proports to eliminate.

There is only one thing which seems to exceed it in wasting our disk space and time, and that is the well intended postings which are NON-TEXT forms, which can only be read with certain selected programs.

I am reminded of yesterdays Digest #485, which contained examples of both the Long Form Moderation Vote Discussion #2 and the NON-TEXT (LONG) file of whatever? Here I thought that I was in for a real treat with a 175K Digest file to read during lunch and breaks. Boy was I in for a surprise. :^(Oh well, maybe we will get back to QRP soon. I did see some useful Stuff about a Gel Cell FAQ ...

OBTW,

This would have been my Reply...

In conclusion, I decline to participate in the "VOTE" as a matter of principle.

Thank you for the bandwidth.

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@abs.net
Maryland Milliwatt Club QRP Reference Library, (301)572-6789

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Claton Cadmus" <aplitech@spacestar.com>
Subject: [49] Moderation Vote Results
Message-ID: <199609171512.KAA31673@Spacestar.Net>

First I'd like to thank all that participated, it was a great way to automatically gather your opinion. I did have one Homer Simpson "Dooough" about this. In the original post, shortly after I sent it, I wished I had called it a survey instead of a vote. But results were coming in already so I decided to leave it alone and not change the feel mid stream. On that same note, and because of the post from Chuck this AM, I've decided to "close the polls" as of 8:30am, the time of Chuck's message. So here are the results:

Moderation yes	38	42%
Moderation no	52	58%

I do have one caveat for the underdog here. I received several messages indicating a desire to have the list be more on topic, but didn't feel moderation was the answer and voted no.

73 de Cla

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Dan Keen <70731.722@compuserve.com>
Subject: [93] Moderation Vote Results
Message-ID: <960918035525_70731.722_EHM78-1@CompuServe.COM>

Thanks to Claton Cadmus for doing the "moderation" survey (I voted yes).

I would like to say that many internet sites previously unmoderated will in about a year have moderated areas. And here is why:

The new _major_ Microsoft software product code named "Normandy" will be shortly (a year or so from now) bringing special interest communities over from previously proprietary sites like AOL, Genie, Compuserve/HamnetForum/QRPsection directly to the Internet. This new MS "Normandy" product attaches an identification "tag" to every user when he accesses the internet. The product is HTML in format. Any one not using MS Normandy software would be unidentified (untagged), just like now.

If any user is Normandy tagged and he comes into an franchised internet site (i.e. one associated with AOL, CIS, G, etc) then the clock is ticking money-wise. Without a tag then it's free, he would remain unidentified, but not be able to use the special features which that particular site has reserved for paying AOL, CIS, and G customers. One very prevalent such feature will be full time monitoring. Right now, on the present proprietary walled-in services, sysops get paid. For instance Compuserve sysops get all their online time free and the exalted Compuserve Wizops (there's one per forum) are paid full-time salaries.

Obviously it will be up to every site now on the net, like this one for example, whether to associate with AOL, CIS, G, all, or none of them.

The MS plan is that Bill Gates will once again make over the computer world with "Normandy".

Look for all the now proprietary services' HAM and QRP areas to move over to the net in about a year. Actually about the first CIS community to move over to the net will be their ISSUES FORUM (featuring the Rush Limbaugh section). But basically the idea is that mainly the process will work in reverse to that: CIS, Genie, et. al. expect a bazillion already exhistng sites to

simply bring themselves into their proprietary fold.

Dan
KN6TM
70731.722@compuserve.com

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: lve1@inel.gov (Larry V East)
Subject: [43] Moderator?
Message-ID: <2.2.16.19960917142540.187f3cf4@eloi>

I don't think a moderator for this list is needed or even a good idea.
However, what IS needed is a filter to get rid of the "attached files"! If
you have something too long to include in a normal email message, THEN
UPLOAD IT TO THE FTP SITE! PLEASE!

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: frank paxton iii <paxton@sound.net>
Subject: [74] New Crystal Source - PHOENIX CRYSTAL
Message-ID: <323F06EB.4904@sound.net>

i have been asked to make the following announcement. the usual
disclaimers apply. also, this needs to be sent to the BoatAnchors
list, but i don't have the address !?!?!? Will someone please forward
this ? thank you. de frank. ng0n. 73. sk.

ANNOUNCEMENT:

Sept. 11, 1996

From: PHOENIX CRYSTALS
1714 North Ash St.
Nevada, Mo. 64772

Phoenix Crystals is commencing the manufacture of crystals targeted
specifically for the radio amateur market. We plan to have AT-cut
hermetically sealed plated crystals available within the next 30 to 60
days for the various amateur bands. Startup plans are to provide 80, 40
and 30 meter crystals on a 10 to 14 day shipment after receipt of

orders.

Tentative pricing will be approximately \$4.95 each in single quantity. Sealed plated crystals will provide much better quality and long-term performance than the older FT-243 style crystals, and we plan on making these available in several holder styles.

For additional info contact:

John R. Morris
Phoenix Crystals
1714 North Ash Street
Nevada, Mo. 64772

phone: 1-417-667-6179 (Note: daytime phone is answered by message recorder. Mr. Morris can usually be reached after 6:00 PM CST.)

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: David.Reid@asml.nl (David Reid)
Subject: [51] oops forgot at work - no tag-line here BDX URL included
Message-ID: <199609171444.QAA07938@wspub002.asml.nl>

Sorry guys... forgot not at home and no auto tag-line at works QTH.

www address for BDX info is:

<http://ourworld.compuserve.com/homepages/drcp/homepage.htm>

oops!!

72/73 es enjoy.

Dave
PA/G0BZF

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: wdzeares@rockdal.aud.alcatel.com (W. Dennis Zeares)
Subject: [63] QRP Afield-Anyone in Taos,NM?
Message-ID: <9609171815.AA14983@aud.alcatel.com>

Is anyone going to be operating QRP afield
in the Taos, NM area? If so, let me know and
I will try to find you.

72/73 Dennis K3ETS, Dallas

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "William R. Colbert" <V31XE@dzdn.com>
Subject: [81] QRP+ Rev 4C EPROM
Message-ID: <323F4189.5E79@dzdn.com>

Larry, thanks for the very informative report, and for all your efforts in researching the QRP+ and its uniqueness.

--

72/73, Ray Colbert, W5XE,
(also af852@rgfn.epcc.edu)
El Paso, Texas

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Norbert.Heyder@erno.de
Subject: [31] QRP+: CW, internal keyer
Message-ID: <9609170625.AA01011@mail-s.erno.de>

Hi gang,

did you(QRP+ owners) ever notice a 'delayed reaction' (happens only from time to time, seldom and is not predictable!) when using the internal keyer. This behaviour is independent from the selected CW-Speed. It can confuse you while sending, e.g. when trying to form a 'r': Between the first dit and the following dah might be a relative long and noticable gap(few ten milliseconds). Same problem occurs when starting a sign. Seems that the microcronicontroler has to do something else in concurrent than only emulating a keyer by software! Especially when the RIT is on and the PLL has to be toggled around!

My question is: Did you make similar experiences?
What about the new QRP++ model?

72 de Norbert DL8BDF

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>
Subject: [44] Question
Message-ID: <628A7647F4@iunhaw1.iun.indiana.edu>

Since I have been doing some remodeling of inside the house and since being chairman of the department has been a real problem this fall, I have no idea where my September QST is.

Is there a hamfest in Mundeliein, or Lake County, ILLINOIS this weekend??? I was ill last weekend for Peoria and figure this one is about the last bigger one until Ft. Wayne in November. As I remember, last year FAR circuits has a table or two there and I got some boards.

Tried the Valparaiso, IN repeater and they must have added tone. I live about a mile from the site and got nothing although I heard people on it. Since I am not in the club and do not know who is, it may take some time to get the tone.

Thanks all.

72 de WB9NLZ

Timothy A. Stabler, Ph.D.
Department of Biology
Indiana University Northwest
Gary, IN 46408

(219)980-6718
FAX: (219)980-7125

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Bob Reynolds <breynd@sigg.com>
Subject: [56] Question -Reply
Message-ID: <96Sep17.120358cdt.19611@firewall.sigg.com>

RADIO EXPO is in the Lake County fairgroinds in Mundelein the 21st and 22nd of September. Saturday the 21st at 12:30 there is a QRP talk given by K5VOL.

>>> Tim Stabler <TSTABLER@iunhaw1.iun.indiana.edu>
09/17/96 10:39am >>>

Since I have been doing some remodeling of inside the house and since being chairman of the department has been a real problem this fall, I have no idea where my September QST is.

Is there a hamfest in Mundeliein, or Lake County, ILLINOIS this weekend??? I was ill last weekend for Peoria and figure this one is about the last bigger one until Ft. Wayne in November.

As I remember, last year FAR circuits has a table or two there and I got some boards.

Tried the Valparaiso, IN repeater and they must have added tone. I live about a mile from the site and got nothing although I heard people on it. Since I am not in the club and do not know who is, it may take some time to get the tone.

Thanks all.

72 de WB9NLZ

Timothy A. Stabler, Ph.D.
Department of Biology
Indiana University Northwest
Gary, IN 46408

(219)980-6718
FAX: (219)980-7125

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: ad4sm@juno.com
Subject: [66] SOLD 2 qrp xcvs
Message-ID: <19960917.151145.4391.0.ad4sm@juno.com>

The Ten-Tec 505 and MFJ 9020 are history. Out of fairness I sold to the first person to meet my asking price, which was the first person that I received a reply from. I wish I had a Ten-Tec for everyone who replied but sadly that is not the case. I hope I get as good a response for everything I post!

tnx es 73, de Rick -- AD4SM

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: rcrampton@gtc.itt.com
Subject: [36] Sorry Guys!
Message-ID: <23e93da0@gtc.itt.com>

Sorry about the file attachment. I thought at 70k the file was really, really small. I guess I'm too used to a direct LAN connection!

Glad so many of you found it useful, though!

Next time I'll just post a quick text message and get a list of who's interested in the file.

A few people asked if I could send the file in ascii format. I can only export in RTF (outline) and Metafile. If you want it in either of these formats, let me know.

73's, es GL,

Ray, KN4SK

rcrampton@gtc.itt.com

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [71] Surplus equipment find!
Message-ID: <323ef48e.pandora@pandora.lugs.org.sg>

Hi Gang,

This isn't QRP so much as scrounging but is in the spirit of QRP I hope :-)

I was going through a surplus shop the other day to add more equipment to my already accumulating pieces in the shack. I came across some Tektronix scopes, 2445A and 2445B. Me and another homebrewer on a hunch just bought all 4 (2 of each) for what is in US\$ about US\$200. There were no beams on these little things.

When I got back I took apart the scopes (I took the 2 A-models) and saw that some parts were missing from one of them. The other was intact. After swapping some parts I got myself a perfectly working Tek 2445A. Cleaned it up and called my friend. Turns out his scope (the B-model) is an even hotter scope and he got it working too! The whole thing is digital and his has all kinds of measuring functions.

What a find. A check on the net shows their reconditioned price to be around US\$2800 and US\$3900 respectively for the A and B models! Now I've got this beauty sitting on my desk and it just looks great with my other ex-surplus equipment. I am going back there to see what other treasures they have in the racks.

Perhaps this should encourage you guys to look at surplus stores as a source of cheap but high quality equipment. Incidentally, the manual for the 2445B is about 300 quids!. Thats right! And that same friend of mine picked

up a Tek spec. analyser with the 7A13/4 mainframe for about US\$45 and it is in working condition now.

The moral of the story is, don't judge too quickly by the looks!

73 de 9V1ZV Daniel

p.s. If anyone can help me get a photocopy of the 2445A/B I would greatly appreciate it.

--

```
*-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg      |
| 9V1ZV      | danwee@singnet.com.sg                     |
| QRP-L #667 | daniel.wee@f516.n600.z6.fidonet.org |
+-----+-----+
```

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: wdzeares@rockdal.aud.alcatel.com (W. Dennis Zeares)
Subject: [61] TenTec qrp kits
Message-ID: <9609171813.AA14888@aud.alcatel.com>

Are the new Ten Tec qrp kits available????
Where do I get details???

72/73 Dennis K3ETS, Dallas
NORTEX, NorCal, QRP-L#357, etc

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: n3wxi@sgi.net
Subject: [78] tuner
Message-ID: <199609172229.SAA02244@orion.bv.sgi.net>

Well I deecided to get the Vectronics unit. Many thanks to all those who took time to comment.

George (N3WXI)
qrp-l #440
NorCal #1711

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Wara Tummanon <wara@phket.loxinfo.co.th>

Subject: [33] unsubscribe

Message-ID: <199609171122.SAA05404@phket.loxinfo.co.th>

Could some one tell me How to unsubscribe this group ?

Thank you 73 de Wara E21A0Y/8

Wara Tummanon

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996

From: George Gingell <k3tks@u1.abs.net>

Subject: [70] Vertical Antenna

Message-ID: <Pine.BSI.3.93.960917155243.24738C-100000@u1.abs.net>

WB6AAM asked about opinions on Chosing a Vertical Antenna.

Sorry, I couldn't find your email address.

I cast My Vote for Cushcraft, Either the R-7000 or R-7 or R-5.

Depends on the Bands you want. I used to have a Hustler 5BTV with

80 meter resonator ground mounted with radials for 80 and 40 (2 each)

buried under it. Worked great for years. Then I lost it in a storm

one year. Actually the antenna survived, the Fence Pipe Mount broke off.

I gave the whole works to a kid and his dad who were just getting started

and didn't have any trees to hang wire from like me.

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996

Subject: [4156] Whats a callsign?

Rich,

TKS 2 U For The CALLSIGN INFO.

Some of us use it to organize our Email Directories.

It is after our "HAMNAME". Otherwise, I

would have a lot of "BOB" & "JIM"Duplicates to sort thru whenever I wanted

to send out some mail. 72,73 es TKS AGN

Danny

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Mike J Pulley <Mike_J_Pulley@ccm.ch.intel.com>
Subject: [84] Which Trap Vertical??

Jay,

I've enjoyed years of success with the Butternut HF-6V vertical. Mine covers most of your listed bands (10, 15, 20, 30, 40, 80) stock; newer versions support them all.

No unsightly traps to fill with water, make the antenna top heavy and add wind load. Butternut uses a whole bag full o' tricks to achieve a good match. (I have no need for a tuner on any band.) Mostly, they use lumped L and C... kind of like installing the tuner on the antenna itself. I believe the entire length radiates on most bands.

My B'nut works well on the air. I've qualified for 1000 miles/Watt several times with it.

Butternut can be reached in Illinois at (708) 238-1854.

Like all 1/4 wave vertical designs, it works best with a good ground and radials. Butternut does offer a radial-less option. I have no experience to lend there.

My installation is a small lot, too. The part that stands above my 6' privacy fence resembles a graceful fishing pole. (A few months after installing it, a neighbor bought a small sailboat. His protruding mast isn't nearly as sleek as mine. :-))

Here in Arizona, I prefer ground mounted installations. In late summer, we get some incredibly nasty wind and lightning storms. (Recall last month when someone on the list reported our hurricane speed wind storm out here? He wasn't kidding.) Rather than risk the weather's wrath, I prefer to remove the antenna and hang it safely out of harm's way. That's no easy task for a roof installation.

The usual disclaimers apply. I'm just a happy customer.

Regards,

-- Mike Pulley, WB4ZKA

Phoenix, Arizona USA
Mike_J_Pulley@ccm.hf.intel.com

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Bob Patten <n4bp@shadow.net>
Subject: [35] Whiterook Paddle Info
Message-ID: <Pine.SOL.3.91.960917014711.14291A-100000@hyper>

Thanks to all who responded to my request for a copy of the post of info
on these paddles. Too many to respond to individually!
73,

Bob Patten, N4BP
n4bp@shadow.net

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [54] Wire for end feds etc
Message-ID: <199609171702.SAA04638@mail.enterprise.net>

Continuing about the best invisible wire, I once used some control wire
which you can, or could buy which is used as means of steering model
'planes etc. It is very strong, not easy to see, but is not very popular
with birds, unless they wish to achieve dual personality. I can imagine one
blackbird, merrily flying by when suddenly, CHUNG! it meets the wire and
is neatly bisected. It didn't happen to me, or rather birds when I used
it! It could not be seen against the sky. I did once try garden wire, but
beware, some of the stuff is higher resistance material and is not
recommended, unless you want to attenuate your signal!

Bye.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Floyd Soo, KF8AT" <hires@rust.net>
Subject: [79] [Fwd: 40m Hamstick Extender for CW Subband]
Message-ID: <323F5300.3492@rust.net>

This is a multi-part message in MIME format.

-----6C599454360
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

I believe that some have used a homebrew capacity hat to do the same thing.

Floyd, KF8AT

-----6C599454360

Content-Type: message/rfc822

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

Received: from fidoii.CC.Lehigh.EDU (fidoii.CC.Lehigh.EDU [128.180.1.4]) by Fe3.rust.net (8.7.5/8.7.3) with ESMTP id SAA03478 for <hires@rust.net>; Tue, 17 Sep 1996 18:23:19 -0400 (EDT)

Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.lehigh.edu with SMTP id <34998-32784>; Tue, 17 Sep 1996 18:22:36 -0400

Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.lehigh.edu with ESMTP id <34949-32784>; Tue, 17 Sep 1996 18:21:48 -0400

Received: from mailhost1.primenet.com (mailhost1.primenet.com [206.165.5.51]) by nss2.CC.Lehigh.EDU (8.7.5/8.7.3) with ESMTP id SAA32608 for <qrp-1@Lehigh.EDU>; Tue, 17 Sep 1996 18:21:45 -0400

Received: from primenet.com (vole@usr07.primenet.com [206.165.5.107]) by mailhost1.primenet.com (8.7.5/8.7.1) with ESMTP id PAA11668 for <qrp-1@Lehigh.EDU>; Tue, 17 Sep 1996 15:21:44 -0700 (MST)

Received: (from vole@localhost) by primenet.com (8.7.5/8.7.5) id PAA09701 for qrp-1@Lehigh.EDU; Tue, 17 Sep 1996 15:21:43 -0700 (MST)

Message-Id: <199609172221.PAA09701@primenet.com>

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996

From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [68] Re: 30m, QRP level antennas (LONG)

Message-ID: <Pine.SOL.3.94.960917151059.6799A-1000000@utkux4.utcc.utk.edu>

Gary,

1. Small choke balun: it is possible to make a choke balun from a small core. a. Assuming a "current" balun, actually a transmission line transformer, look up Jerry Sevick's later book by CQ pubs and try to downsize the core, adjust the number of turns (likely upward), and set the spacing of your chosen wire for the correct impedance. b. For a "voltage" balun, adjust the number of turns according to the basic for toroidal core transformers--these have been near the end of the AC Basics chapter of the ARRL Handbook for a number of years and in numerous other places. Only requirement, once core material selection and turns estimates are made is to be sure the core will not saturate with several times the anticipated power max for your use.

2. 30-meter vertical dipole: you can shorten a dipole in roughly 3 ways:

1. center- or mid-element inductors; 2. linear loading; and 3. capacity hat loading. Capacitive hats are perhaps the most efficient, since they are placed at the low-current end of the element. Linear loading is quite compact, as the loading "wires" can be near and parallel to the main element. Because they are (or are nearly, depending upon layout) shorted transmission lines, they are somewhat less lossy than lumped inductances. Capacity hats would have a radius of about 3' depending on construction and would be less compact.

A full size dipole for 30 approaches 50'. In general, pick your desired length below that (for greatest efficiency, it should be greater than 2/3 full size), model the antenna, to tell you the capacitive reactance to be compensated for by a center loading coil or linear load, calculate the coil size based on that reactance and the frequency, and build--then adjust like crazy until happy.

HAMCALC has a number of programs of use in projects such as this, such as dipole calculators, capacity hat estimators, linearload estimators, etc. One of the basic modeling programs can do a good enough job on the starting point. But adjustment will always be needed to account for the variables of reality.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Joe Gervais <vole@primenet.com>
Subject: 40m Hamstick Extender for CW Subband

Howdy Folks,

I recall some of us having problems tuning the 40m Hamsticks for the low end of the band, where us CW types hang out. Problem being that the whip that comes with the 40m version isn't long enough. Solution found.

I just ordered the TW-2 59" tapered whip for the Hamstick, which is a nice bit longer than the 47" whip normally shipped with the critters. Figure that'll get me resonating quite nicely between 7025-7150 KHz.

Price: \$5.95 ea. Source: Lakeview Company Inc.

Phone: (864) 226-6990

My only relationship is as a satisfied customer, but thought some folks might like to know. 'Tis fox huntin' season after all. Time to get those 40m antennas cleaned up and ready for prowling!

Cheers de KC7NEV,

-Joe, vole@primenet.com, AZ ScQRPion #7

-----6C599454360--

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [34] Re: Call for moderation
Message-ID: <Pine.BSI.3.93.960917073346.15172A-100000@u1.abs.net>

I just downloaded Daily Digest #485, which was a whopping 175K long. It turns out that about 91K of that was an attached file. Fortunately this is a rare occurrence; usually when this happens, the person involved is told (by many, many people) that it is not appreciated on the list due to the tremendous bandwidth occupied. File attachments can be handled via ftp thru lehigh.edu without occupying space on qrp-l. I trust moderation of the list would eliminate this. BTW, there has already been moderation of sorts. Several months ago I noticed a significant chunk of message numbers missing from the daily digest and asked Jim E about it. Turns out that the messages did appear on qrp-l but he purged them from the daily digest before it went out. It was about 8 or 10 back and forth messages between a couple of people, and was a knock down, nasty, vituperative flame war with no redeeming value whatsoever. 73 and Queue Our Pea DE WA8MCQ

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: wq8q@juno.com (Rick Tyler)
Subject: [37] Re: Call for Moderation
Message-ID: <19960917.081335.8575.3.wq8q@juno.com>

Maybe it would be better if Claton Cadmus would go away. Who is he to call for moderation? Enough bandwidth has

been used up (yeah, I know I'm using up more) but it seems
like the list has gotten back to where it should be,
EXCEPT for the moderation discussion.

Rick Tyler, WQ8Q
Cincinnati, Ohio
ARRL-VE, QRP-L 583, MI-QRP 1532, QRP-ARCI 9225

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Ahrens Tim" <tahrens@devmail.sps.mot.com>
Subject: [67] Re: Debco offer: parts, kits, data
Message-ID: <9608178429.AA842997556@devmail.sps.mot.com>

>'call for your free copy today, "The Electronics Experimenter Journal",
>it's part catalog, part magazine, and part data book, with kits, parts, plans,
>articles, and application notes.

>Debco Electronics,
>4025 Edwards Rd.
>Cincinnati, OH, 45209

>Tel. 1-800-423-4499'

>72, Stuart K5KVH
>rohre@arlut.utexas.edu

Just called for my copy... must be a really small outfit.. sounded like the
person on the other end was typing my name (on a mechanical typewriter), and
a baby was crying in the other room!!

cu :->

Tim WA5VQK

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "J. RAINS" <RAINS@nku.edu>
Subject: [89] Re: Debco offer: parts, kits, data
Message-ID: <01I9LMVLZH2AEGS28K@NKU.EDU>

Yep, Debco isn't a real big outfit, they are a nice place, though..
I live about 5 miles from them.

Justin AA9KM

```

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= - _ _/=====
| Justin Rains | Have |
| rains@nku.edu | a Day! |
| http://www.nku.edu/~rains/ |
=====
```

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Denton Bramwell" <denton@cyber-west.com>
Subject: [85] RE: inductance as applied to tuners
Message-ID: <01BBA4CC.D472D640@cyber-west.com>

There is no reason that a properly designed toroid inductor cannot be used with efficiency on a par with air core inductors. The warnings are that you must choose a core that will give you adequate unloaded Q, and which will not saturate with the RF current you run through the coil.

The efficiency of a tuner is governed by the ratio of unloaded Q to loaded Q. Getting a loaded Q of around 200 is no big problem, and this is adequate for bringing your losses down to a small fraction of a dB in most circuits.

Denton
K7OWJ

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Bob Edwards <rbe@atlanta.com>
Subject: [76] Re: Moderation
Message-ID: <323F373B.4110@atlanta.com>

This is a multi-part message in MIME format.

-----580BD233659
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

chuck adams wrote:

> The topic, IMHO, is a mute one.
> Neither Jim or I want a moderated list.

NOR DO I !

-----580BD233659
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Disposition: inline; filename="FOOTER.TXT"

+-----+
| Bob, AE4CA, WAS-5W | "QRP", more from less....
+-----+
ARCII-8760, MIQRP-1410, COQRP-118, QRPL-606, ARS-145, NorCAL

-----580BD233659--

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: BOB KELLOGG <ae4ic@nr.infi.net>
Subject: [47] Re: Moderation, Moderators
Message-ID: <199609171448.KAA31384@mh004.infi.net>

Gang, we have two moderators now, Chuck and Jim. If some particular practice bugged me terribly, I'd discuss it with them. Now, back to my QRP workbench. I'm hot on a project that may wake several of us up.

CUL,
Bob Kellogg, AE4IC

Prolably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Dan Hogan <dhhogan@lightside.com>
Subject: [28] Re: OHR-400
Message-ID: <m0v2stu-000635C@covina.lightside.com>

Rod,

I am waiting to hear the answer to alinging the OHR 400 also. I am just completing the T/R board. My instructions were missing page TR4 for the tansmitter board. It was not printed on the back of page TR3.

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal, ARRL
dhhogan@lightside.com
Lat. 34d 03' 49.7' N
Lo. 117d 56' 09.6' W Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Raymond.Anderson@Eng.Sun.COM (Ray Anderson)
Subject: [52] Re: R2 Receiver Noise Figure Improvements.....
Message-ID: <199609171604.JAA06518@radium.Eng.Sun.COM>

N0OCT writes:

> ... stuff deleted ...

> So, my question is, for those of you who have messed around and/or tested
> these cicuits, which seems to work best for the HF bands with the R2? Is it
> the W7Z0I preamp mod, substituting TL074's for the NE5512's, or the NE5532
> amp between the preamps and the phase shifters?

>
> ... more stuff deleted ...

>
>
> 73, jim n0oct
>
> jimn0oct@aol.com
>

Jim, and all others interested, be sure to check out
Glen's (VE3DNL) article published in the current issue of

QRP Quarterly.

The article entitled:

"The R2 SSB Direct Conversion Receiver, Revisited: The R2a"
discusses among other things, ways and means to improve the noise figure
of the R2 receiver.

Ray Anderson WB6TPU
Technical Editor for QRP Quarterly
raymonda@radium.eng.sun.com

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Chris J. Cartwright - ELF" <dsc3cjc@imc220.med.navy.mil>
Subject: [65] Re: TenTec qrp kits
Message-ID: <Pine.3.89.9609171435.A2019-0100000@imc220>

On Tue, 17 Sep 1996, W. Dennis Zeares wrote:

> Are the new Ten Tec qrp kits available????
> Where do I get details???

The ad in this months QST (pg163) still says "coming soon". When I
talked to them last month they said they were trying for a November
roll out. And to steal a line from Lucy VanPelt, "Just in time for
the gift *getting* season". :)

-- Christopher Cartwright, Tech. Engineer		...our chief weapons are fear,
-- Voice 301.295.0809 N3XRV QRP-L #655		fear and surprise, and nice
-- Mail dsc3cjc@imc220.med.navy.mil		red uniforms, oh damn!!
-- ccart@erols.com		-- Monty Python

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Duane Anderson <usnret@cris.com>
Subject: [91] Re: TenTec qrp kits
Message-ID: <323F5D59.1E5B@cris.com>

Hi everybody:

In regard to the new Ten-Tec QRP rigs coming out...I just received a new
T-Kit catalog from Ten-Tec and there is a very short blurb in there
about the QRP transceivers saying that is what they started with in 1968
and they thought it would be good to go back to that idea with today's
RF Technology and will be offering models for 80, 40, 30 or 20

meters...but they don't say when or how much (although they do hint to "inexpensive").

72 de Duane, KJ7H0

W. Dennis Zeares wrote:

>
> Are the new Ten Tec qrp kits available????
> Where do I get details???
>
> 72/73 Dennis K3ETS, Dallas
> NORTEX, NorCal, QRP-L#357, etc

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [72] RE: under-driving antennae?
Message-ID: <Pine.BSI.3.93.960917155923.24738D-100000@u1.abs.net>

Subject: Re: under-driving antennae?

Wait a minute here,

Most of us use the same beam to receive as the gain works "in reverse" to capture those signals. What is the power level of the received signal? Micro-watts? Pico-watts? It would appear there is no minimum power level.

73,

Bill KU8H

Bill,

Did it ever occur to you that you might not be receiving on the full antenna? I would suggest the Trap Vertical mentioned as a good example. The receiver being connected to the feed point and only using the first segment of the antenna, while the Transmitter is trying to use the whole antenna. Such as a 5BTV trap vertical. I recall just such a problem with one that I had for years. In fact I got the antenna at a very good price because the person who assembled it had the traps installed incorrectly.

My Gain (no Pun intended :-)). I am reminded of the "Antenna Wax" we used to see advertised. Maybe it really did work :-). I wonder if it could have been a de-oxidizer in disguise? Good connections on antennas = better performance. That is a pretty well established formula. I have always wondered
if 10K/14K Gold Shielded Coax and "Gold Antenna Wire" would work better or

not.

Maybe we could get a "Government Grant" to Research this theory. :-)

72,73 es

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: KFGlynn@aol.com
Subject: [41] Re: Vanity Calls
Message-ID: <960917094035_286744605@emout07.mail.aol.com>

Hi Grover,

Answer is yes per FCC. If the list of calls you give are not available there will be no change to your current call.

73 Kevin KB2TEO

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [32] Re: Which Trap Vertical??
Message-ID: <Pine.SOL.3.94.960917065752.22300D-100000@utkux4.utcc.utk.edu>

Jay,

You omitted the GAP verticals, which operate in the main as vertical dipoles or variations thereon. I have an older GAP VI that has been most satisfactory. It has been up 6 years, with no mechanical problems. It resonates on almost every band, and with an ATU and QRP power levels, works fine on 30 meters, too. On 80, you select the portion of the band desired at purchase time, since coverage is restricted. However, an ATU makes the other end of the band usable at QRP levels. (The top capacitor can be harmed by the use of an ATU and high power, due to the possibility of very high voltages exceeding the rating even of the tough capacitor they use.)

My antenna is about 33' tall, 1/8" rope guyed just above the feedpoint region, with the guy ropes going to elevated points and creating no tripping worries. The object is to keep wind sway above the midpoint, since without guys, the antenna sway in 45 mph breezes will worry you, even though it seems not to harm the antenna.

Performance is +/- any of the other antennas you list depending upon installation--some love it; some prefer other antennas--but few have developed any categorical hates for it. If you use any of those antennas in the 18-22' length region, rooftop or similar elevation is beneficial to avoid sending all power to irradiate the shrubbery. I used (long ago) a 14AVQ with very good success with a rooftop installation.

Hope these notes are of some use.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [87] Re: Which Trap Vertical??
Message-ID: <Pine.SUN.3.91.960917194658.7695A-1000000@kitsune.swcp.com>

On Tue, 17 Sep 1996, Mike J Pulley wrote:

> Jay,
>
> I've enjoyed years of success with the Butternut HF-6V vertical. Mine
> covers most of your listed bands (10, 15, 20, 30, 40, 80) stock; newer
> versions support them all.
>
> No unsightly traps to fill with water, make the antenna top heavy and
> add wind load. Butternut uses a whole bag full o' tricks to achieve a
> good match. (I have no need for a tuner on any band.) Mostly, they
> use lumped L and C... kind of like installing the tuner on the antenna
> itself. I believe the entire length radiates on most bands.
>
> My B'nut works well on the air. I've qualified for 1000 miles/Watt
> several times with it.
>
> Butternut can be reached in Illinois at (708) 238-1854.
>
> Like all 1/4 wave vertical designs, it works best with a good ground
> and radials. Butternut does offer a radial-less option. I have no
> experience to lend there.
>
> My installation is a small lot, too. The part that stands above my 6'
> privacy fence resembles a graceful fishing pole. (A few months after
> installing it, a neighbor bought a small sailboat. His protruding

> mast isn't nearly as sleek as mine. :-))
>
> Here in Arizona, I prefer ground mounted installations. In late
> summer, we get some incredibly nasty wind and lightning storms.
> (Recall last month when someone on the list reported our hurricane
> speed wind storm out here? He wasn't kidding.) Rather than risk the
> weather's wrath, I prefer to remove the antenna and hang it safely out
> of harm's way. That's no easy task for a roof installation.
>
> The usual disclaimers apply. I'm just a happy customer.
>
> Regards,
>
> -- Mike Pulley, WB4ZKA
>
> Phoenix, Arizona USA
> Mike_J_Pulley@ccm.hf.intel.com
> Mike I also have a hf-6 and mine is mounted on the roof with a swivel
base mount. When the wx gets nasty I just lower it down. Works good for
me. Tom WB5QYT>

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Denton Bramwell" <denton@cyber-west.com>
Subject: [86] RE: White Mountain SSB kits
Message-ID: <01BBA4CC.D08CE980@cyber-west.com>

I asked some questions of Dave Benson about these kits, and came away
satisfied that he had addressed at least my own concerns. He has
carefully selected LO and IF frequencies so as to avoid any audible
spurious responses, and has used a diode ring mixer for decent two
tone dynamic range.

Denton
K7OWJ

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [55] Re: Wire for dipoles
Message-ID: <199609171702.SAA04655@mail.enterprise.net>

I am not really sure whether the diameter of the wire is of any
consequence at HF freq's. At UHF maybe, but IMHO the ratio of diameter to
freq is of no consequence at say 14mhz. Am I wrong?

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [59] RE: Wire for dipoles
Message-ID: <01BBA497.984FBC80@muenzlerk.uthscsa.edu>

On Monday, September 16, 1996 1:05 PM, Frank G3YCC[SMTP:g3ycc@enterprise.net] wrote:

>I am not really sure whether the diameter of the wire is of any
>consequence at HF freq's. At UHF maybe, but IMHO the ratio of diameter to
>freq is of no consequence at say 14mhz. Am I wrong?

>--

>Frank G3YCC
>Ham Radio QRP Web Page:
><http://homepages.enterprise.net/g3ycc/>

The advantage of large diameter wire is mechanical strength.
The main disadvantage is weight. Other than that, at HF there
is no difference until you get into very small diameter wire
where current becomes significant at higher powers.

Kevin, WB5RUE

From owner-qrp-1@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "Mike Rhodes" <weightdn@bright.net>
Subject: [83] Re: Wire for end feds etc
Message-ID: <199609180031.UAA14644@brutus.bright.net>

Reminds me of a QSO I listened in to years ago. The fellow was in 6-land
and had a 3 or 4 element quad up. The thing played well but he said his
wife hated it but only at a certain time of the year. Seems his house was
on the migration path of the swallows and when they were passing through
his area, it was a daily (at least) task to go out and pick up the dead
birds. Hmmm, bet they would make him take it down now'adays.

73 de Mike / W8DN
weightdn@bright.net

> From: Frank G3YCC <g3ycc@enterprise.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: Wire for end feds etc
> Date: Monday, September 16, 1996 2:02 PM
>
> Continuing about the best invisible wire, I once used some control wire
> which you can, or could buy which is used as means of steering model
> 'planes etc. It is very strong, not easy to see, but is not very popular
> with birds, unless they wish to achieve dual personality. I can imagine
one
> blackbird, merrily flying by when suddenly, CHUNG! it meets the wire and
> is neatly bisected. It didn't happen to me, or rather birds when I used
> it! It could not be seen against the sky. I did once try garden wire, but
> beware, some of the stuff is higher resistance material and is not
> recommended, unless you want to attenuate your signal!
> Bye.
> --
> Frank G3YCC
> Ham Radio QRP Web Page:
> <http://homepages.enterprise.net/g3ycc/>
>

From owner-qrp-l@Lehigh.EDU Tue Sep 17 23:12:17 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [90] Re: [Fwd: Re: under-driving antennae?]
Message-ID:
<Pine.GS0.3.93.960917220922.24178A-100000@conciliator.acsu.buffalo.edu>

The topic of under-driving etc reminds me of the daze before qrp.
I used to have an EIMAC antenna. It was a single 4-1000A run at a plate
voltage of 5kv. It worked well if you supplied the right drive level. On
receive it didn't work too well so I bypassed it and just used my 1/4 wave
vertical. :-)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU